**Department of Defense**
**Fiscal Year (FY) 2010 IT President's Budget Request**
**May 2009**

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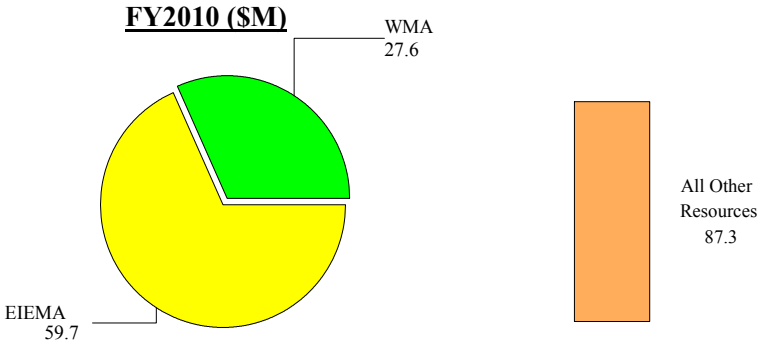



**Mission Area** **Defense Business Area Breakout**

**FY09/10PB Comparison ($M)**

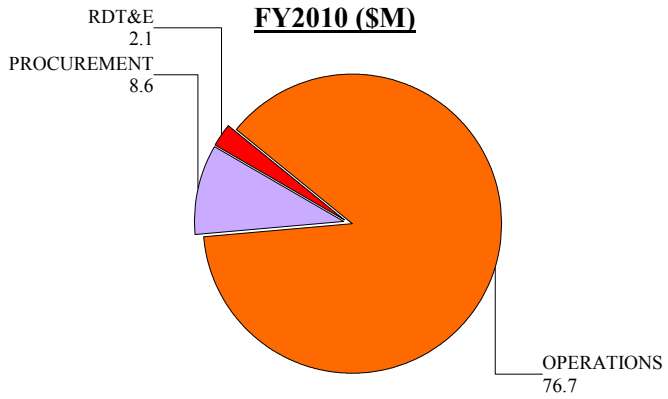
| | FY2009 | FY2010 |
|---|---|---|
| **PB FY2009:** | $ 45.2 | $ 46.9 |
| **PB FY2010:** | $ 46.9 | $ 87.3 |
| **Delta:** | $ 1.7 | $ 40.4 |

**Explanation:**
Increase supports Defense Trusted Workstation (DTW) information transformation,
Joint Training System and DoD Training Transformation Integration efforts. In addition, internal program re-alignments represent apparent growth within information technology portfolios.

**FY09 to FY10 Comparison ($M)**

| | FY2009 | FY2010 | Delta |
|---|---|---|---|
| **PB FY2010:** | $ 46.9 | $ 87.3 | $ 40.4 |

**Explanation:**
FY 2009 to FY 2010 includes information sharing and collaboration technology transformation initiatives to enhance communication activities in support of strategic force structure analysis. The Joint Staff's realigned 27 activities into information technology accounts to better represent their contributions to critical defense analytical support capabilities for the Chairman of the Joint Chiefs of Staff and Combatant Commanders.




**APPROPRIATION**

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## Executive Summary

The Joint Staff's IT programs support the Department of Defense's efforts to ensure interoperability and consistency of purpose throughout the Services and Defense agencies. The Joint Staff's office automation network, referred to as the Joint Staff Information Network (JSIN), provides crucial decision-making information affecting military operations in support of the CJCS and the Joint Staff. The mission of the Office of the Chief Information Officer (CIO) Information Assurance Program is to execute the policy and procedures necessary to appropriately safeguard Joint Staff Information Systems against external and internal network intruders and security incidents. The Vice Director, Joint Staff is appointed by the Chairman as the Joint Staff CIO and serves as the senior Information Resource Management (IRM) official. The CIO is solely responsible to the Director, Joint Staff for the IRM program. The CIO's mission is to manage all IRM program functions, to include IT acquisition, business process reengineering, information management, information protection, standards, architecture, capital planning and investment, strategic planning, IT training and education, operations and maintenance, and program management (PM) activities of IT systems within the purview of the Joint Staff. The CIO ensures the Joint Staff IRM program is in full compliance with applicable laws, DoD policies, and guidelines.

Joint Collaborative Analysis (JCA) Support provides the CJCS with the analytical capabilities needed to support decision making associated with force structure assessment, joint course of action development, and joint and coalition analysis that directly contribute to the accomplishment of the combatant command and Joint Staff missions. JCA Support enhances the ability of the Joint Staff and combatant commands to work together using common tools and methodologies, thus providing the means to accomplish joint, multi-combatant command collaborative analysis on major and emerging issues directed by the Strategic Planning and Joint Programming Guidance. The results of JCA Support, which are often briefed at the highest DOD levels, are essential to defining and illuminating the national security environment.

The mission of the Joint Staff Security Office, Information Assurance Division is to develop and implement policies and procedures to appropriately safeguard Joint Staff Information Systems against external and internal network intruders and security incidents. As stated above, OCIO then executes these responsibilities. The key benefits of the Information Assurance Program are the confidentiality, integrity, and availability of Joint Staff information systems. Funding for information assurance categories include application security, Computer Operations Security (Intrusion Detection Systems, Anti-Virus Tools), Cryptography (Defense Message System Infrastructure, FASTLANES, Remote Access System), Public Key Infrastructure/Public Key Enabling (Class 3 and 4 user and server certificates, Common Access Card Readers, Unclassified but Sensitive Internet Protocol Router Network (NIPRNET) and Secret Internet Protocol Router Network (SIPRNET) Registration Authority Workstations, LDAP Servers), Manpower (contractor support), security application/software (Vulnerability analysis tools), Perimeter Protection Security Architecture (Firewalls, Guards), systems development security (mobile code development, review, certification), security management (IA) training, IT personnel certifications), security administration (network/system accreditations, Security Test & Evaluation (ST&E), Independent Verification and Validation of code), security policy (Joint Staff Instructions and Manuals) and new product security assessment.

Joint Database/Training Information Systems (JDATIS) data cube initiative supports Joint Doctrine, Education and Training Electronic Information System), which is a web portal centered on cross-indexed relational databases of joint doctrine, the Universal Joint Task List and related content that is rapidly accessible to the entire military community on both NIPRNET and SIPRNET, and potentially on other selected Defense information networks.

JDATIS also supports Electronic Joint Manpower and Personnel System (eJMAPS), which is the primary management information system used to manage and document the Joint Staff, Combatant Commands, Chairman-Controlled Activities (CCA), associated Joint Activities, and NATO manpower authorizations. eJMAPS is also the primary system used to manage Joint Staff and two Combatant Commands personnel data and transactions. Approximately 25,000 Active/Reserve joint manpower billets are hosted in the JMAPS database.

## Significant Changes

Significant changes include the major planned activities above.

## Defense Business Systems

N/A

## Information Assurance Activities

Implemented complete Secret network security infrastructure to include but not limited to: PKI Class 3 capability, firewall, DMZ redesign, establish domain infrastructure compliant with DISA STIG policies, and client/server virus protection suites. Continued the DISA Information Assurance Vulnerability Management (IAVM) compliance system VMS (Vulnerability Management System) on the JSIN-U and JSIN-C networks. The IA team, in coordination with the Joint Staff System Integration Services (JSISS) contractor, refined the defense-in-depth measures on all networks at the primary and alternate sites. Established the use of the ISSE guard technology to accommodate high to low transfers of data. Utilized web-based applications for security training.

## Major Accomplishments

During the past FY many Joint Staff Information Network (JSIN) strategic infrastructure objectives were achieved enhancing daily operations. The remaining one-third of the JS received new desktop computers, along with updated laptop computers, printers and scanners. A plan to enhance JS networks and IT support services on the JSIN-T, JSIN-S, and JSIN-U was executed to extend the JSIN suite of integrated industry best practices and core services. Standard network users were migrated off of the JSIN-T network, unless required for day-to-day job performance. The JS continued service contracts to streamline JS IT support processes with 24/7 availability. Additionally, the JS maintained a single process to define, design, deploy and sustain IT services and a JS enterprise architecture (as is and target) that leveraged the JS business process review initiative. These serve as blueprints for aligning the IT environment to the vision, mission, and operational needs of the JS and attain JSIN interoperability. On the classified network, the JS initiated a phased portal development and services implementation plan; these efforts were critical enablers to facilitate business process changes supporting robust knowledge management and increased decision superiority.

Implemented complete Secret network security infrastructure to include but not limited to: PKI Class 3 capability, firewall, DMZ redesign, establish domain infrastructure compliant with DISA STIG policies, and client/server virus protection suites. Continued the DISA Information Assurance Vulnerability Management (IAVM) compliance system VMS (Vulnerability Management System) on the JSIN-U and JSIN-C networks. The IA team, in coordination with the Joint Staff System Integration Services (JSISS) contractor, refined the defense-in-depth measures on all networks at the primary and alternate sites. Established the use of the ISSE guard technology to accommodate high to low transfers of data. Utilized web-based applications for security training.

Enhanced cross-dataset search abilities and links to other resources. Also developed a prototype tool (Joint Capabilities Template Tool) to map UJTL tasks to the developing Joint

Capability Areas (JCAs) and produced an Alpha-version on-line JCA database to facilitate coordination and staffing. Examined database preparation and content management capabilities with intent to improve and accelerate data preparation and posting.

Continued loading the Individual Augmentee databases from Combatant Commands for oversight of Reserve utilization world-wide. Continue to assess the need for future enhancements and its eventual direct interface with DIHMRS.

## Major Planned Activities

The Joint Staff plans to increase it's information technology footprint in order to support the following enhansements:

Joint Training System (JTS):
JTS increase supports JTS and DoD Training Transformation (T2) Integration efforts, including CJCS 3500-series publications, automation support for the authoritative Universal Joint Task List, development and implementation of the Joint Lessons Learned Information System as a DoD system of record.

Defense Trusted Workstation:
Information transformation improves within Management HQ by transitioning the Joint Staff to thin-client architecture under the Defense Trusted Workstation (DTW) initiative and launching enhanced enterprise risk, security, content, records, data, and knowledge management solutions.

## Global Information Grid (GIG) / Net-Centricity

The Services, combatant commands, and the Office of the Secretary of Defense are quickly moving forward with the implementation of a Netcentric Operating Environment (NCOE) under the Global Information Grid (GIG) framework. This framework implements a core set of enterprise services that will support the DOD enterprise, including the Joint Staff. In order to operate on the GIG and be relevant, the Joint Staff must plug into these services and offer net centric compliant services to GIG consumers.
This calls for a major change in how The Joint Staff (TJS) defines, designs, develops, deploys, and sustains solutions for Joint Staff requirements and also requires a change in how we collect, process, analyze, and distribute decision quality information. To accomplish this, Joint Staff will move toward a service-oriented IT strategy that ensures the Joint Staff's success. This approach will centralize services at the enterprise level where and when it makes sense, while maximizing decentralized execution and decision-making authority. Over time, TJS will increase the enterprise services provided. The Joint Staff IT Strategy leverages both the DISA Net-Centric Enterprise Services and the Pentagon Common IT Services. Joint Staff systems will become increasingly integrated and interoperable with GIG services, Service, combatant command, OSD, and interagency systems. That integrated set of systems, known as the JS Decision Support Environment (DSE), will encompass every JS application hosted on the Joint Staff
Information Network.

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Information Technology Budget Exhibit Resource Summary by Initiative (IT-1)

| | Dollars in Thousands | | |
|---|---|---|---|
| | *FY2008* | *FY2009* | *FY2010* |
| **JOINT STAFF RESOURCE SUMMARY:** | **45,232** | **46,903** | **87,281** |

**1049 - Joint Collaborative Analysis (JCA)** **Non-Major**

GIG Category: FUNCTIONAL AREA APPLICATIONS - SCIENCE AND TECHNOLOGY

Operations

| | | | Dollars in Thousands | | |
|---|---|---|---|---|---|
| *Appropriation* | *Budget Activity* | *Budget Line Item* | *FY2008* | *FY2009* | *FY2010* |
| O&M, DW | BA 01 OPERATNG FORCES | JOINT CHIEFS OF STAFF | 4,925 | 5,077 | 15,572 |

Procurement

| | | | Dollars in Thousands | | |
|---|---|---|---|---|---|
| *Appropriation* | *Budget Activity* | *Budget Line Item* | *FY2008* | *FY2009* | *FY2010* |
| Procurement, DW | BA 01 MAJOR EQUIPMENT | MAJOR EQUIPMENT, TJS | 1,490 | 1,526 | 217 |
| | | **Initiative Resource Summary:** | **6,415** | **6,603** | **15,789** |

**1056 - JOINT STAFF INFORMATION NETWORK (JSIN)** **Non-Major**

GIG Category: COMMUNICATIONS AND COMPUTING INFRASTRUCTURE - INFORMATION DISTRIBUTION SERVICES

Operations

| | | | Dollars in Thousands | | |
|---|---|---|---|---|---|
| *Appropriation* | *Budget Activity* | *Budget Line Item* | *FY2008* | *FY2009* | *FY2010* |
| O&M, DW | BA 01 OPERATNG FORCES | JOINT CHIEFS OF STAFF | 24,308 | 25,419 | 49,270 |

Procurement

| | | | Dollars in Thousands | | |
|---|---|---|---|---|---|
| *Appropriation* | *Budget Activity* | *Budget Line Item* | *FY2008* | *FY2009* | *FY2010* |
| Procurement, DW | BA 01 MAJOR EQUIPMENT | MAJOR EQUIPMENT, TJS | 11,793 | 12,097 | 8,341 |

RDT&E

| | | | Dollars in Thousands | | |
|---|---|---|---|---|---|
| *Appropriation* | *Budget Activity* | *Program Element* | *FY2008* | *FY2009* | *FY2010* |

Information Technology Budget Exhibit Resource Summary by Initiative (IT-1)

**1056 - JOINT STAFF INFORMATION NETWORK (JSIN) (Continued)** **Non-Major**

GIG Category: COMMUNICATIONS AND COMPUTING INFRASTRUCTURE - INFORMATION DISTRIBUTION SERVICES

RDT&E (Continued)

| *Appropriation* | *Budget Activity* | *Program Element* | *FY2008* | *FY2009* | *FY2010* |
|---|---|---|---|---|---|
| | | | ---------- Dollars in Thousands ---------- | | |
| RDT&E, DW | BA 07 OPER SYS DEV | 0902298J MANAGEMENT HQ - OJCS | 2,018 | 2,066 | 2,066 |
| | | **Initiative Resource Summary:** | **38,119** | **39,582** | **59,677** |

**6429 - JOINT (JCS) DATABASE/TRAINING INFORMATION SYSTEMS (JDATIS)** **Non-Major**

GIG Category: FUNCTIONAL AREA APPLICATIONS - OTHER (NOT OTHERWISE SPECIFIED)

Operations

| *Appropriation* | *Budget Activity* | *Budget Line Item* | *FY2008* | *FY2009* | *FY2010* |
|---|---|---|---|---|---|
| | | | ---------- Dollars in Thousands ---------- | | |
| O&M, DW | BA 01 OPERATNG FORCES | JOINT CHIEFS OF STAFF | 663 | 683 | 11,815 |

Procurement

| *Appropriation* | *Budget Activity* | *Budget Line Item* | *FY2008* | *FY2009* | *FY2010* |
|---|---|---|---|---|---|
| | | | ---------- Dollars in Thousands ---------- | | |
| Procurement, DW | BA 01 MAJOR EQUIPMENT | MAJOR EQUIPMENT, TJS | 35 | 35 | 0 |
| | | **Initiative Resource Summary:** | **698** | **718** | **11,815** |